A. CLASSIFICATION OF SUBJECT MATTER SIPPLIFIED TO THE SUBJECT MATTER SUBJECT SIPPLIFIED TO THE SUBJECT SIPPLIFIED TO THE SUBJECT SUBJECT SUBJECT SUBJECT SUBJECT SUBJ				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)				
IPC 7 H01H				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Documentation searched other man minimum documentation to the extent that such documents are included in the helds searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)				
EPO-Internal, PAJ				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to claim No.	
Α	DE 198 13 128 A (KUHNKE GMBH KG H)		1,2,6	
ı	30 September 1999 (1999-09-30) column 2, line 27 -column 4, line 61		, ,	
		s or		
Α	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14,		1,2,5	
	31 December 1998 (1998-12-31)			
	& JP 10 241481 A (MATSUSHITA ELECTRIC			
:	WORKS LTD), 11 September 1998 (1998-09-11) abstract			
Further documents are listed in the continuation of box C.  Patent family members are listed in annex.				
Special categories of cited documents:				
*A* document defining the general state of the art which is not considered to be of particular relevance or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention				
*E* earlier document but published on or after the international filing date  *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to				
"L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another				
"O" docume	'O' document referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such docu-			
'P' document published prior to the international filing date but		ments, such combination being obvious in the art.  *&* document member of the same patent fai		
Date of the actual completion of the international search		Date of mailing of the international search report		
24 July 2003		31/07/2003		
Name and mailing address of the ISA		Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk				
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Libberecht, L		